

SAFEMEZZ®

Horizontal Gate



Installation Instructions/Operation and Maintenance Manual

Models:

Electric Models

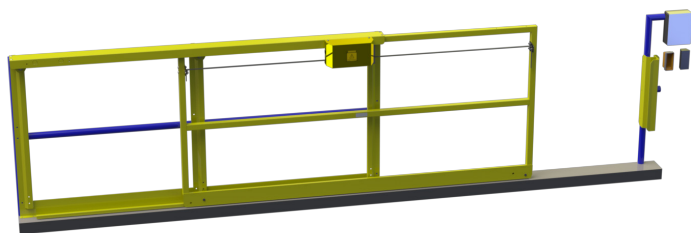


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Contact Information

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Toll Free Phone
877.446.1519

Website
pssafetyaccess.com

Email
4psinfo@psindustries.com

Hours of Operation
8 A.M. to 5 P.M. CT
Monday – Friday

IMPORTANT! Read entire Instruction and Operations Manual to become familiar with the product.

NOTICE This product is a fall protection product. The effectiveness of the product is directly related to the proper installation and operation of this product. Failure to properly maintain this product **will** affect performance.

Publication Notice

This manual has been compiled and published covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

PS Safety Access™ reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

PS Safety Access and/or its respective suppliers may make improvements and/or changes in the product(s)/ service(s) offered and/or the program(s) at any time without notice.

Retain this manual for future reference.

If you would like to download a copy of this manual, please go to pssafetyaccess.com

Product registration is an essential step to protecting your product, register Online at psindustries.com/contact/register-your-product/



Safety Precautions

The following icons are used throughout this Manual.

▲ DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

▲ WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

▲ CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderated injury.

NOTICE Indicates manufacturer's statement of additional information.

IMPORTANT! Indicates a required action.

CRITICAL Indicates a vital component to product performance.

Product Information

NOTICE Unauthorized modification of or to the product voids this Limited Warranty. Authorized modifications, received in writing from PS Industries® Incorporated, as long as the modification is accomplished in strict accordance with PS Industries' instructions, does not void warranty. To request product modifications contact PS Industries Incorporated, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com

I. General Information

- A. This manual contains information regarding installation, operation, and maintenance of the PS Safety Access' SafeMezz® Horizontal Gate.
- B. PS Safety Access recommends that the owner implement a regular maintenance program to inspect the SafeMezz Horizontal Gate as necessary.

II. Operation Guidelines

- A. The SafeMezz Horizontal Gate is designed to meet OSHA Railing Standard 1910.28 and 1910.29.
- B. Operation in a manner other than intended could result in damage or less than acceptable performance at time of need, for which the manufacturer will not be held responsible.

III. Safety Precautions

- A. Ensure opening is clear of all obstructions through the entire proposed travel of the SafeMezz Horizontal Gate during operation.
- B. Comply with all OSHA and ANSI Safety Regulations and/or company safety policies when installing.

▲ DANGER Ensure area below installation is blocked off from personnel during installation, and mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.

IV. Storage Prior to Installation of Product

- A. Store materials in a dry, ventilated location. If outdoor storage is required, block materials and tarp in a tent-like arrangement, elevated above the product with open sides to allow airflow.

V. Installation Site Preparation

NOTICE Before starting site preparation and installation of the SafeMezz Horizontal Gate, read the entire Operation and Maintenance Manual and review all installation instructions thoroughly.

- A. Clear work area of any debris.
- B. Ensure you have the necessary tools available.
- C. Obtained all required permits.
- D. Personnel: Determine the appropriate number of personnel required to perform installation and have them readily available at the project site. (2-3 people recommended)

Product Information

NOTE: Review inventory to ensure all parts are present for assembly/installation. Refer to part list below.

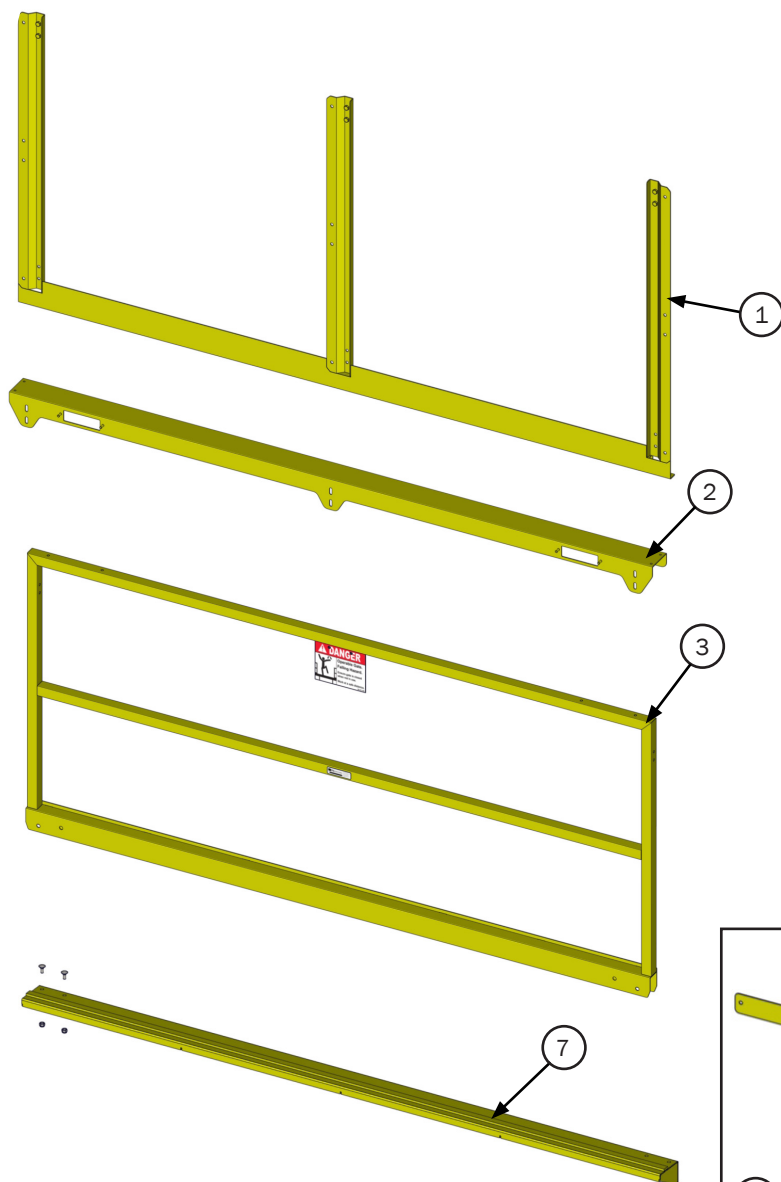
Recommended Tools:

1. One (1) Phillips Screwdriver
2. One (1) Flathead Screwdriver
3. One (1) Pliers
4. One (1) $\frac{7}{16}$ " Wrench
5. One (1) $\frac{1}{2}$ " Wrench
6. One (1) $\frac{9}{16}$ " Wrench
7. One (1) Tape Measure
8. One (1) Level
9. Depending on anchoring configuration, additional tools may be required.

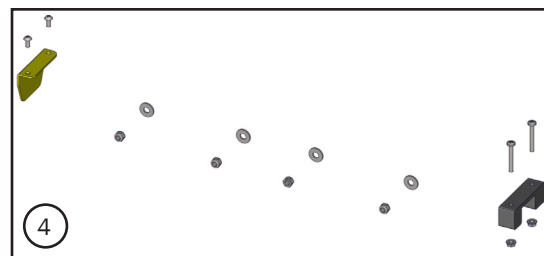
Horizontal Mezzanine Gate Part List

ITEM #	DESCRIPTION	QTY
1	MGH;TRACK ASSEMBLY-PCY	1
2	MGH;SHROUD ASSEMBLY-PCY	1
3	MGH;GATE ASSEMBLY-PCY	1
4	TRACK SHROUD HARDWARE KIT	1
5	GATE HARDWARE KIT	1
6	ELECTRIC OPERATOR HARDWARE KIT	1
7	FACE MOUNT TRACK KIT*	1

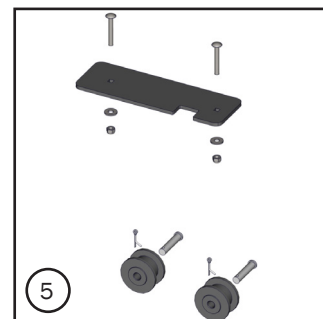
*Required for Face Mount locations only.



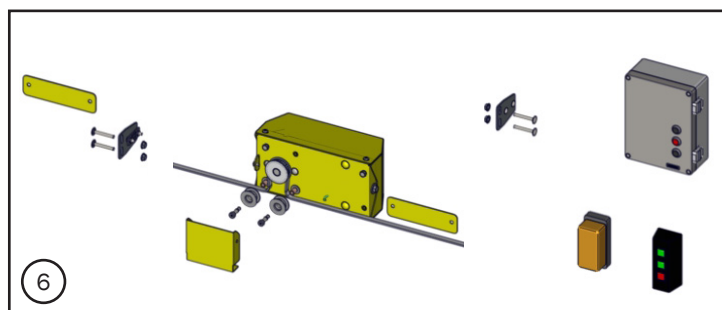
TRACK SHROUD KIT



GATE KIT



ELECTRICAL KIT



Installation

VI. Installation

A. Please select the attributes you wish to use, this will help for future reference.

Slide Direction:

☐ Slide Right to Open (+)

☐ Slide Left to Open (-)

Gate Mounting:

☐ Deck Mount

☐ Face Mount (Optional)

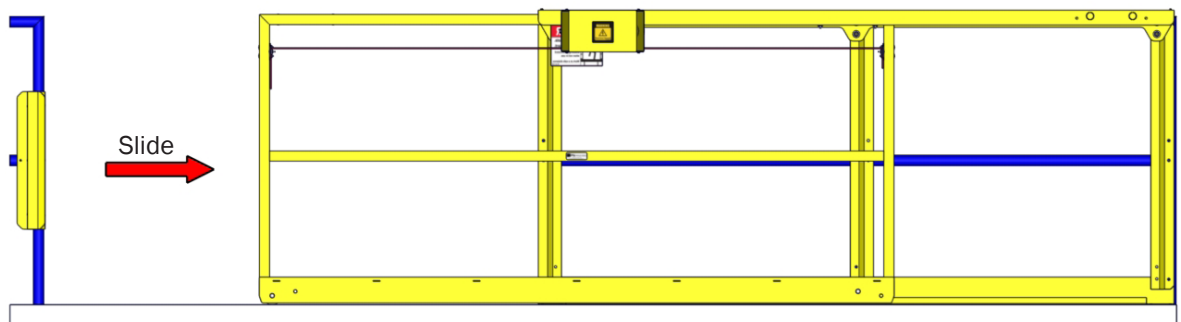
STEP 1. Determine your Slide Direction.

a. Look up at the Mezzanine from the ground level to determine what slide direction will be needed.

CRITICAL Your gate should open in the direction that allows the most room for operation.

Step 1 Illustration A

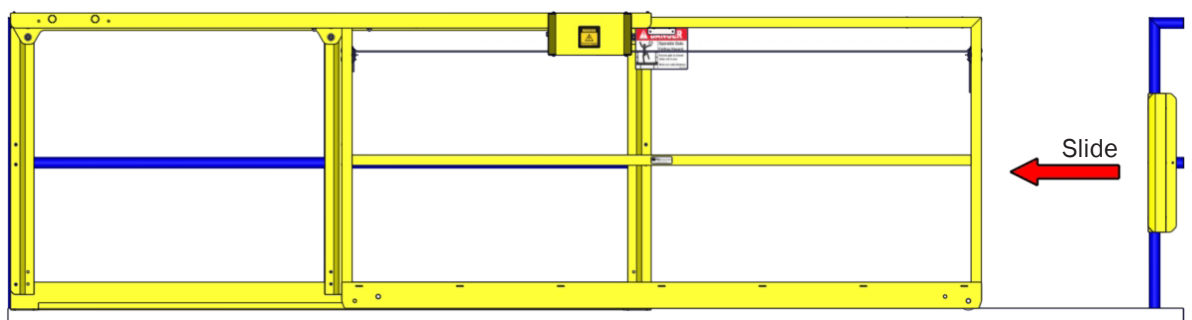
SLIDE DIRECTION:
RIGHT



IMPORTANT! If you have chosen *RIGHT*, you will install your gate using the holes marked with a (+) sign.

Step 1 Illustration B

SLIDE DIRECTION:
LEFT



IMPORTANT! If you have chosen *LEFT*, you will install your gate using the holes marked with a (-) sign.

Installation

NOTICE Installation Step 2 is for Deck Mount Locations ONLY.
(For Face mount Installation refer to Page 14 before continuing to Step 3).

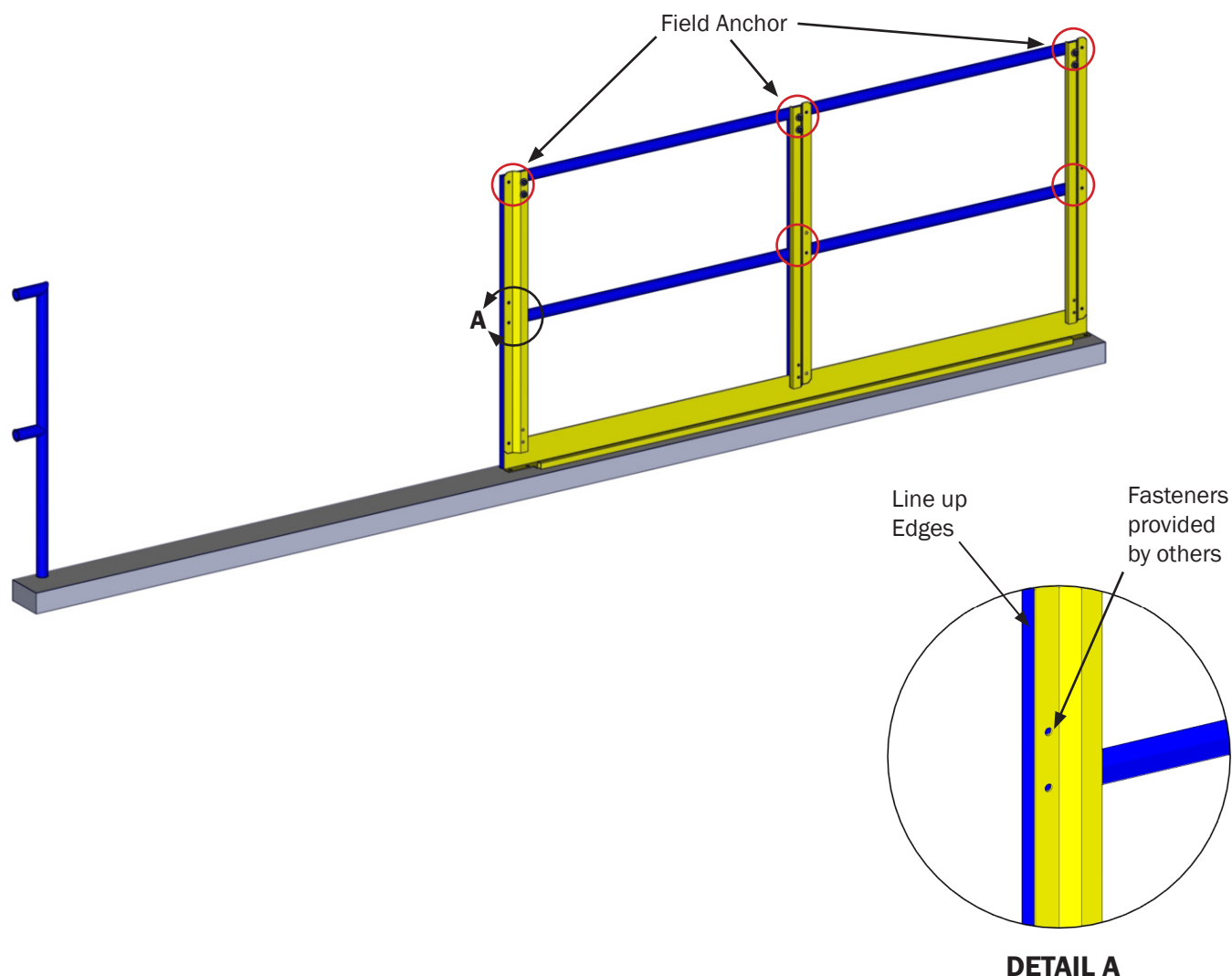
IMPORTANT! Installation steps are shown in **SLIDE DIRECTION: RIGHT**.

STEP 2. Installation of Track Assembly.

- Line up leading edge of Track Assembly with leading edge of opening.
- Field fasten Track Assembly to your existing structure using factory located holes.

NOTICE Fasteners provided by others, *NOT* PS Safety Access.

**Step 2
Illustration**

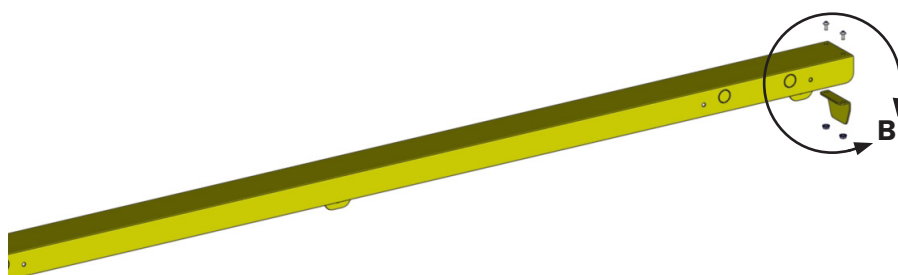


Installation

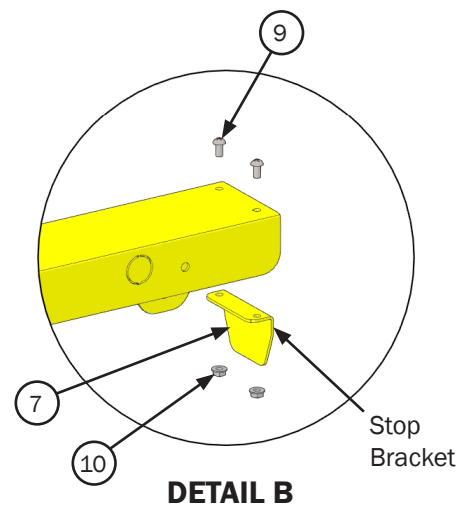
STEP 3. Using supplied hardware from Track Shroud kit begin assembling the Shroud.

- a. Install the Stop Bracket to the NON-SLIDE DIRECTION of the Shroud.

Step 3 Illustration



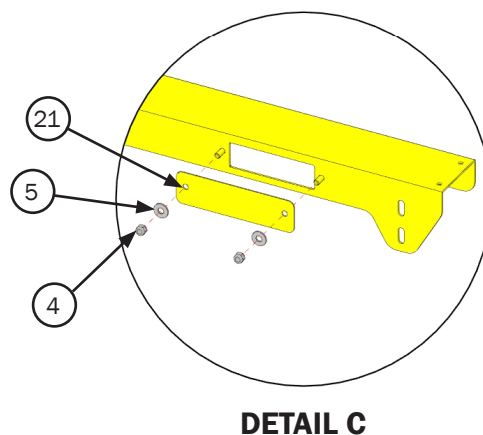
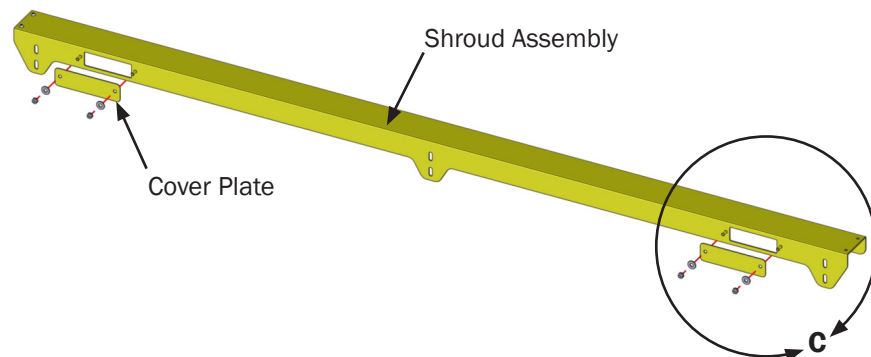
(Shown as Slide *RIGHT*)



STEP 4. Install the cover plates found in the Electric Operator Kit.

- a. Install Cover Plates over Manual Latch locations (refer to Detail C).

Step 4 Illustration



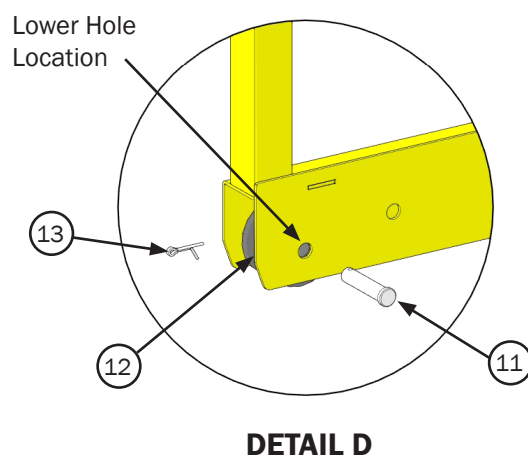
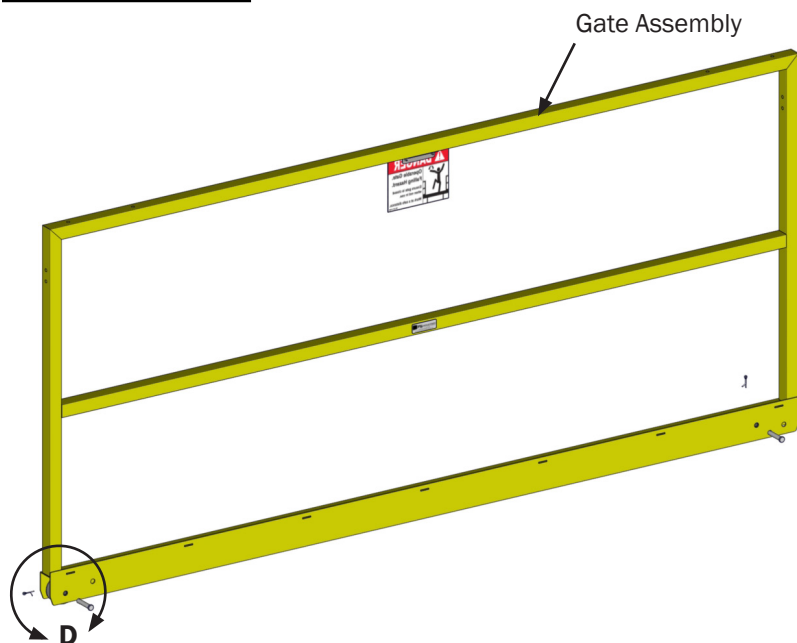
Installation

STEP 5. Installation of the Gate Assembly.

- Install front wheel in the leading end of gate with supplied pin and cotter pin.

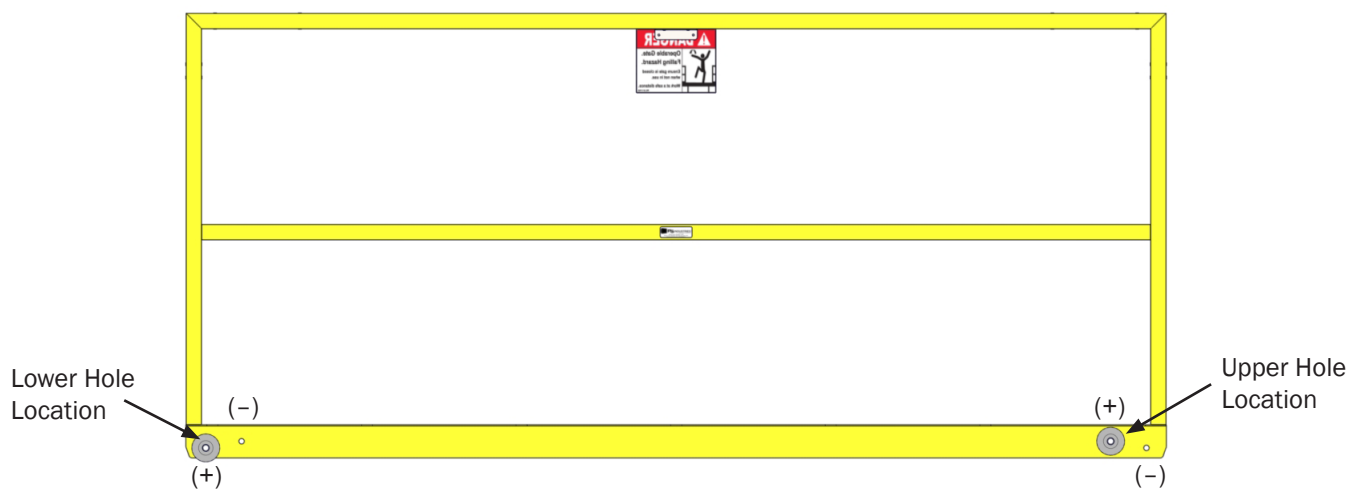
CRITICAL Front wheel MUST be in the lower hole location of leading end of Gate Assembly.

Step 5 Illustration A



Step 5 Illustration B

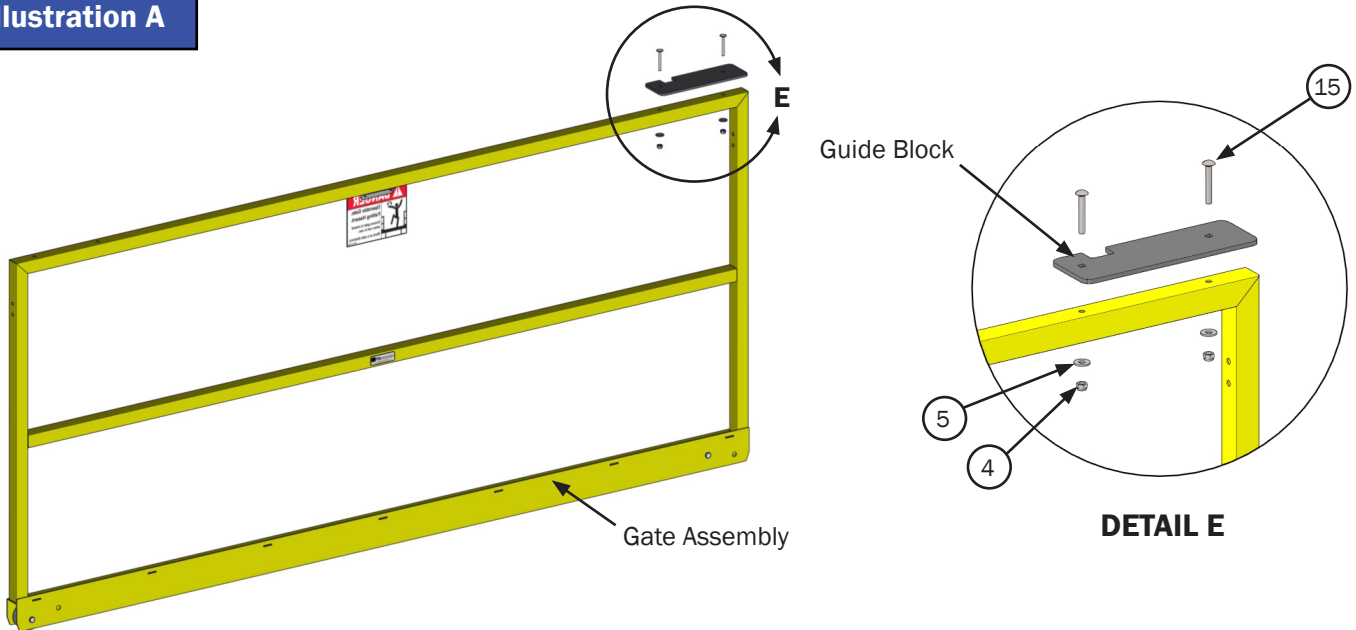
SLIDE DIRECTION: RIGHT



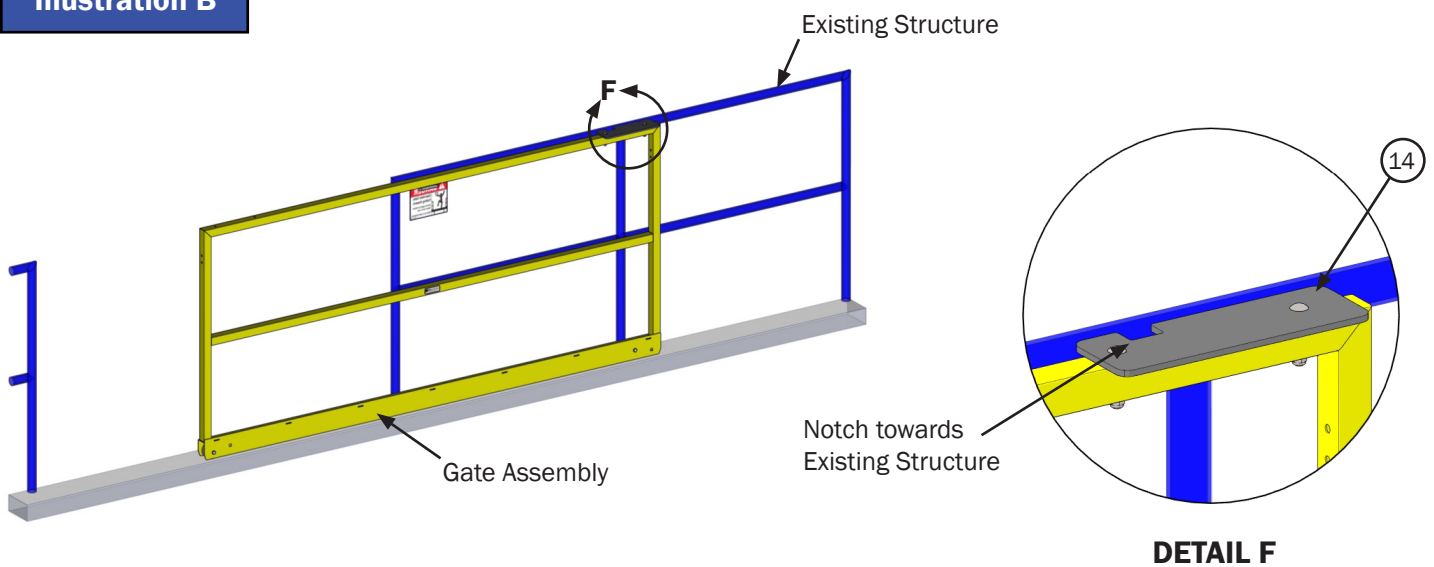
Installation

- STEP 6.** Attach UHMW Gate Guide Block to top of Gate Assembly with supplied bolts, washers, and nylock nuts.
- The notch in Guide Block **MUST** be towards existing structure (refer to Illustration B for correct placement).

**Step 6
Illustration A**



**Step 6
Illustration B**



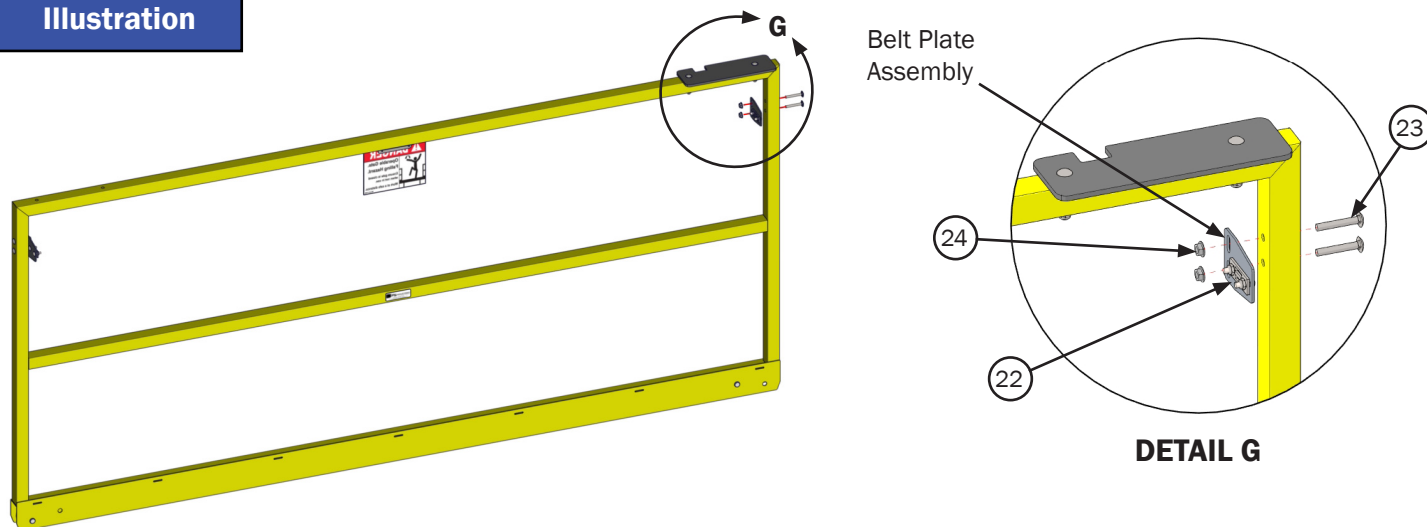
NOTICE Existing structure only shown for reference of notch direction.

Installation

STEP 7. Install the Belt Plate Assemblies found in the Electric Operator Kit.

- a. Attach each Belt Plate Assembly to the Gate with supplied bolts and nuts.

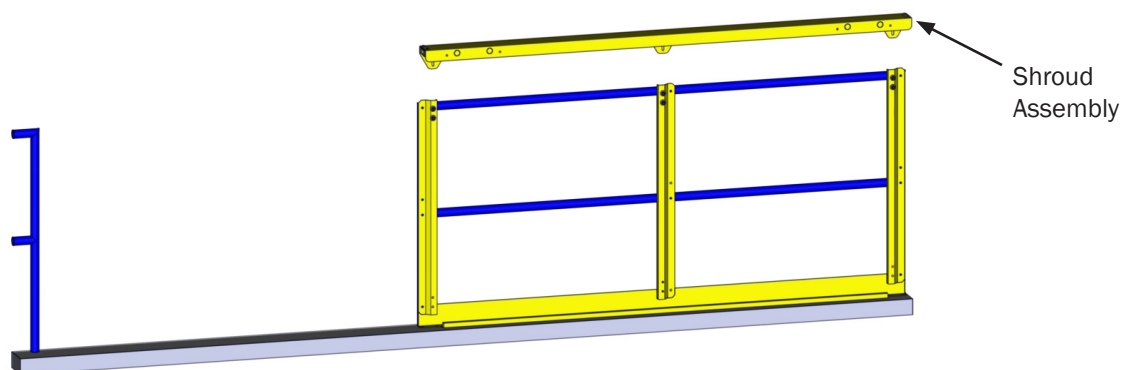
**Step 7
Illustration**



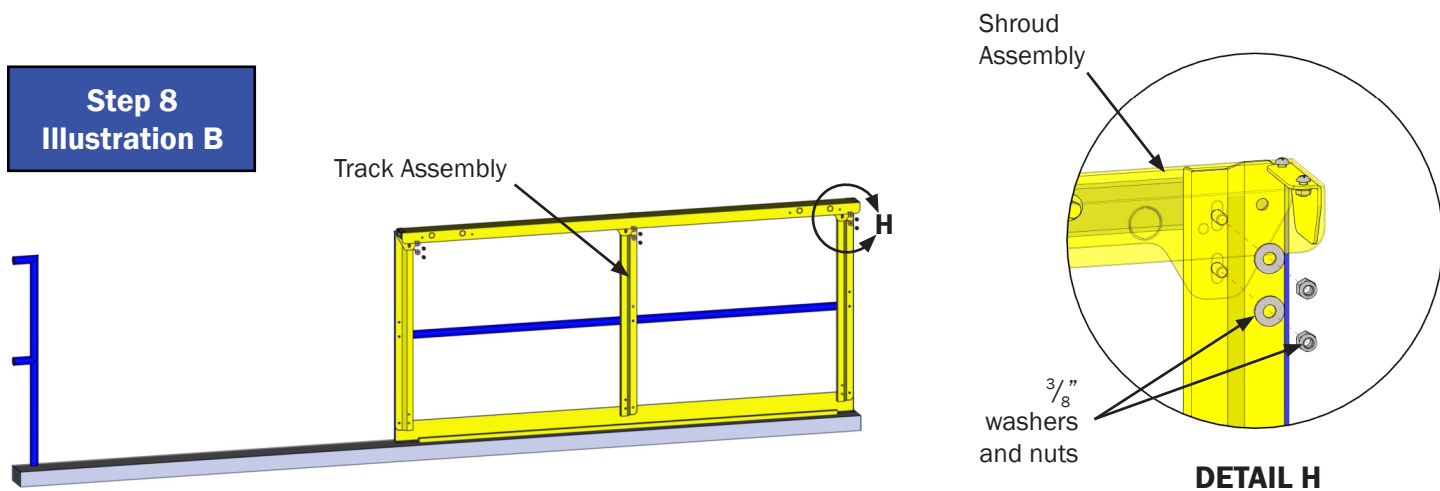
STEP 8. Install Shroud Assembly on Track Assembly.

- a. Using supplied $\frac{3}{8}$ " washers and nylock nuts attach shroud to top of track assembly.

**Step 8
Illustration A**



**Step 8
Illustration B**



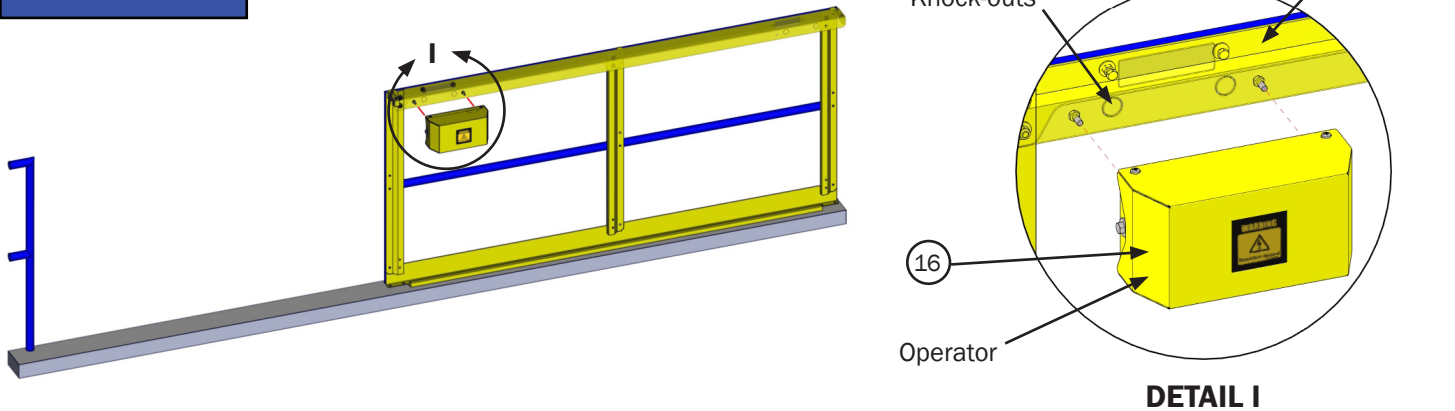
Installation

STEP 9. Installation of the Electric Operator.

- Remove cover from Operator and set aside.
- Using flat-tipped screwdriver, knock-out holes on shroud side closest to the opening.
- Attach Operator to the Shroud Assembly with supplied $\frac{5}{16}$ " hex bolts.

CRITICAL Operator MUST be mounted closest to the opening.

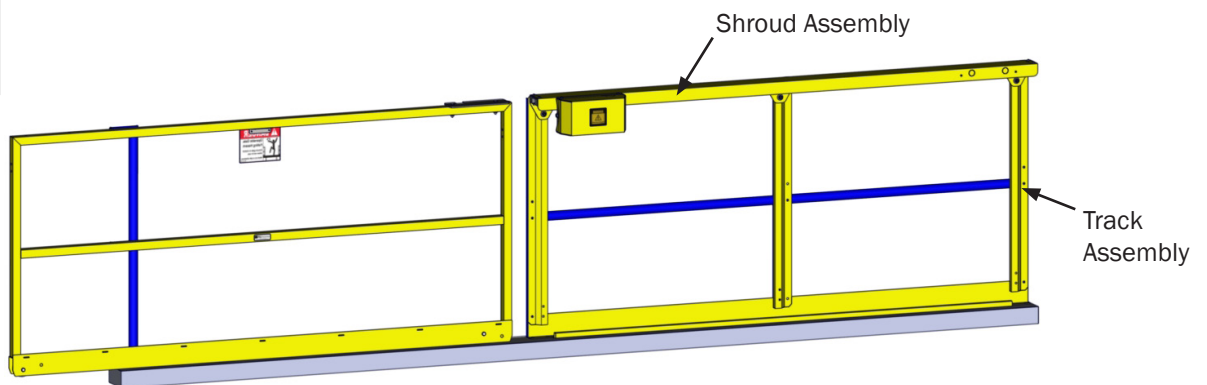
Step 9 Illustration



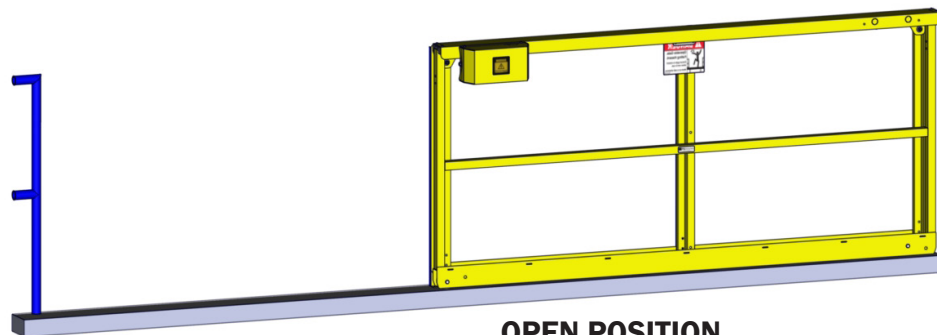
STEP 10. Slide Gate assembly into Track and Shroud.

- Slide gate to fully open position.

Step 10 Illustration A



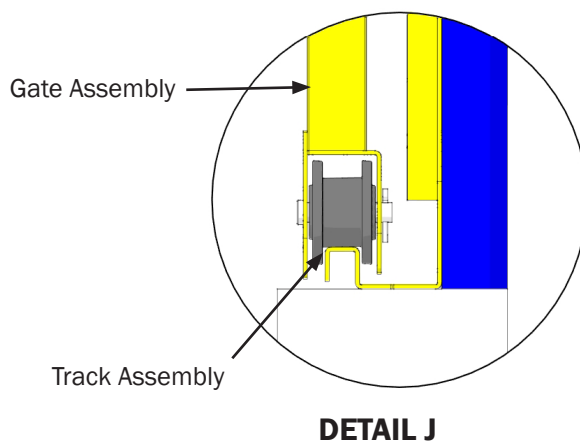
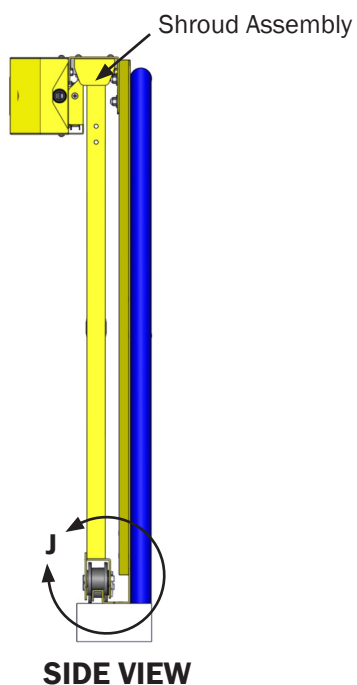
Step 10 Illustration B



(Shown as Slide *RIGHT*)

Installation

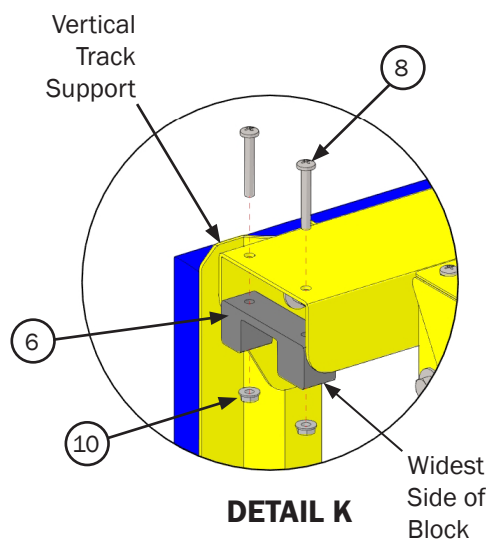
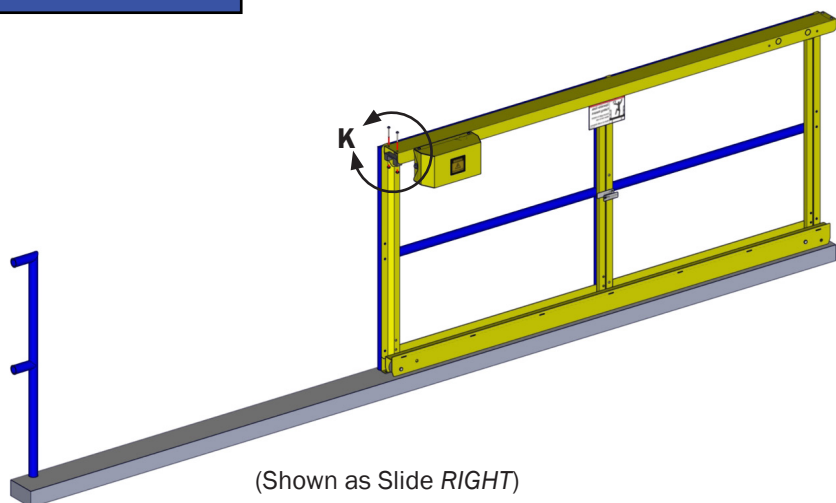
Step 10 Illustration C



STEP 11. Install Shroud Block with supplied screws, and nuts.

- a. Shroud Block MUST be installed on open edge of Shroud Assembly with the widest side away from the vertical track support.

Step 11 Illustration

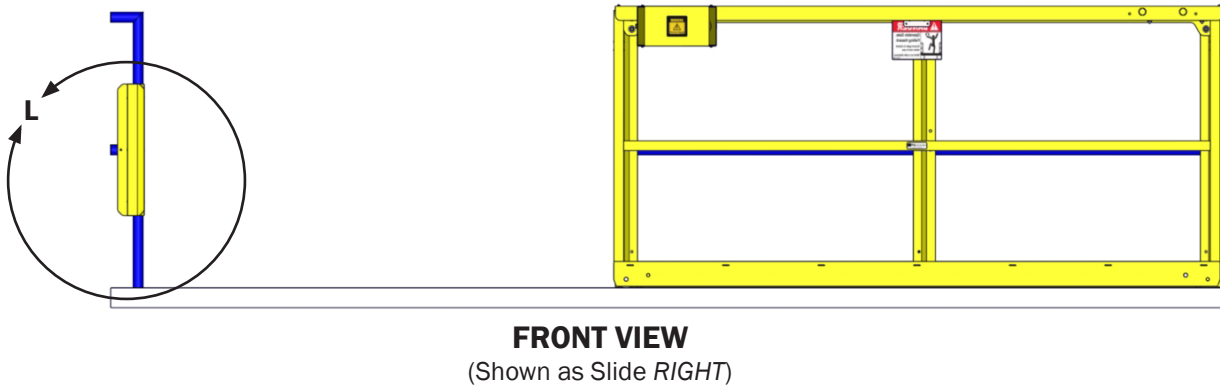


Installation

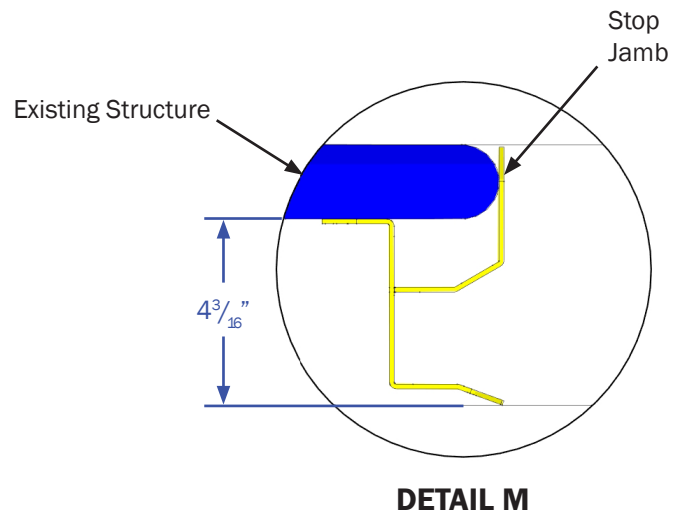
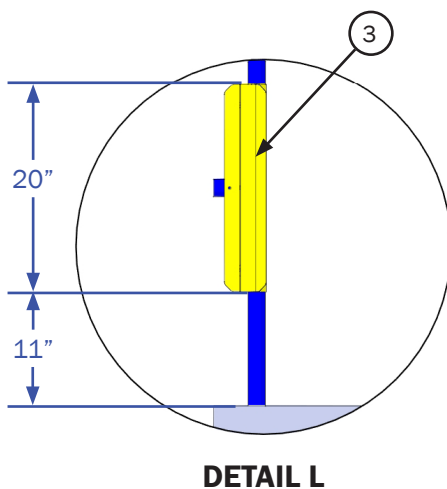
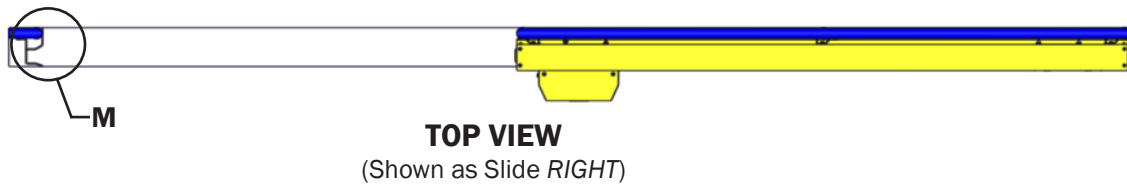
STEP 12. Install Stop Jamb onto Existing Structure.

- a. Slide gate to fully open position.
- b. Field fasten Stop Jamb vertically, refer to Details for correct dimensions.

Step 12 Illustration A



Step 12 Illustration B



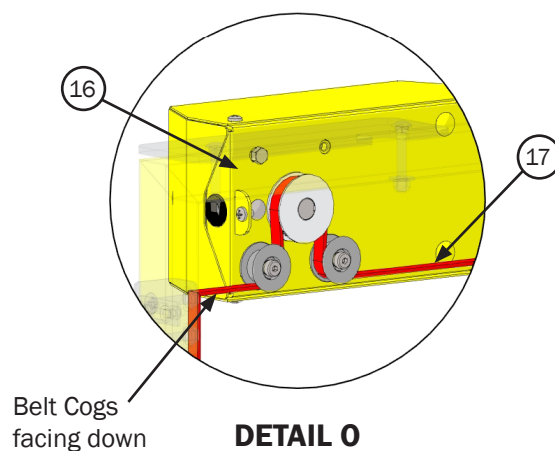
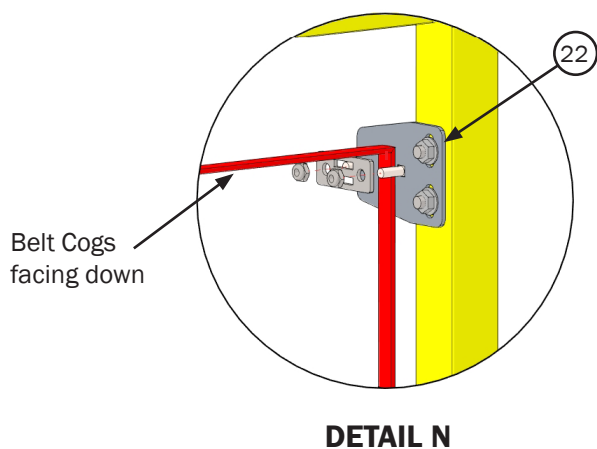
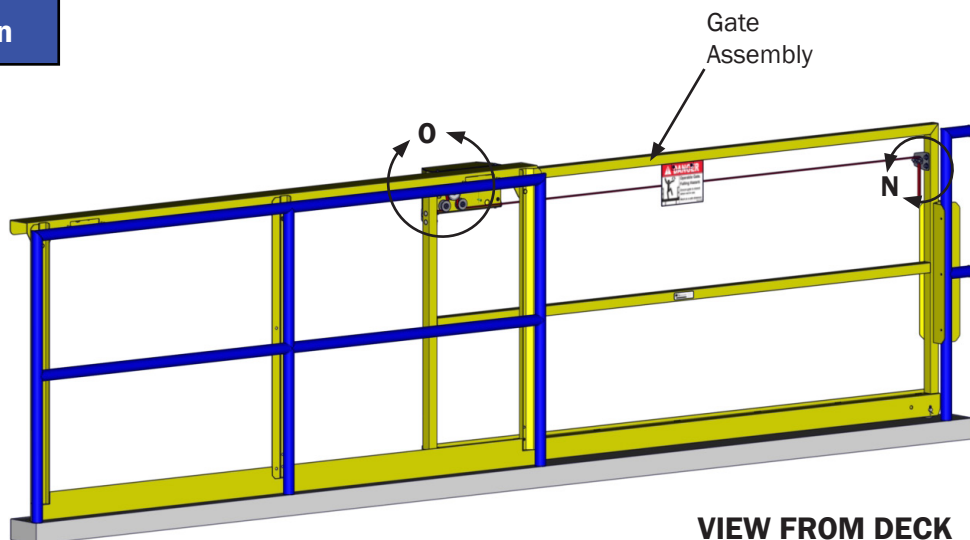
Installation

CRITICAL Do NOT cut belt until SafeMezz Horizontal Gate is assembled and operating smoothly.

STEP 13. Install the Belt found in the Electric Operator Kit.

a. With cogs in belt facing downward, run belt as shown in illustrations.

Step 13 Illustration



Installation

VII. Installation of optional Face Mount Track (Sold separately)

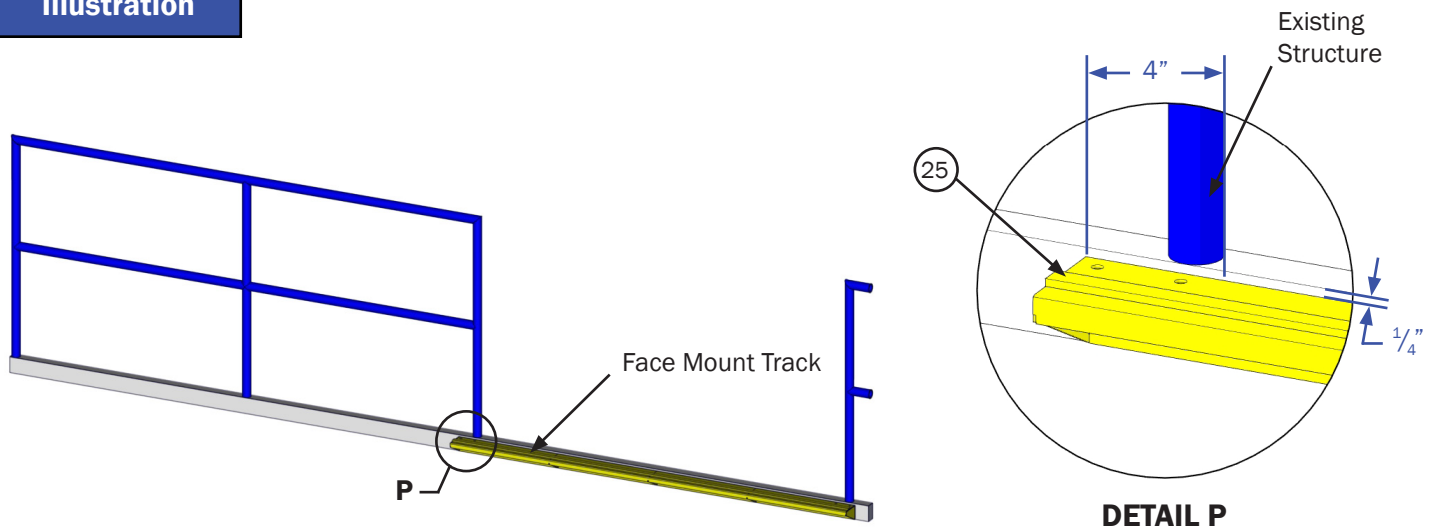
A. Once steps have been completed, continue with Shroud Assembly on Page 5.

STEP 1. Installation of Face Mount Track.

- Field fasten track $\frac{1}{4}$ " below top of the mezzanine deck.
- Face Mount Track must be 4" beyond the end of the opening in the direction of slide (refer to Detail P for proper dimensioning).

NOTICE Fasteners provided by others, NOT PS Safety Access.

Step 1 Illustration

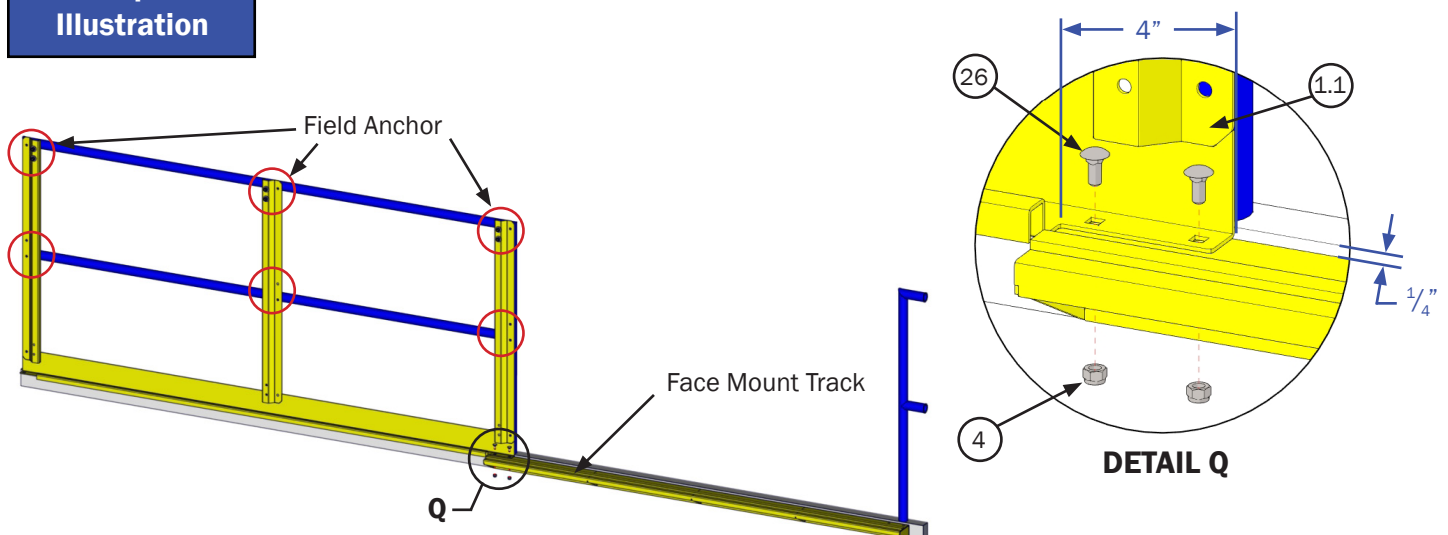


STEP 2. Installation of Track Assembly.

- Place Gate Housing Track on top of the Face Mount Track and line it up with the supplied holes.
- Attach Gate Housing Track to Face Mount Track with supplied carriage bolts and nylock nuts.
- Field fasten Gate Housing Track to your existing structure using factory located holes.

NOTICE Fasteners provided by others, NOT PS Safety Access.

Step 2 Illustration



Replacement Parts List

VIII. Replacement Parts List

NOTE 1. This replacement parts list is for all SafeMezz® Horizontal Gate Electric Models.

NOTE 2. Parts diagrams are located on Pages 16.

Replacement Parts List			
ITEM #	DESCRIPTION	QTY	PART #
1	REFER TO HARDWARE VARIANT		
1.1	REFER TO HARDWARE VARIANT		
1.2	REFER TO HARDWARE VARIANT		
2	REFER TO HARDWARE VARIANT		
3	MGH;STOP JAMB PCY	1	511503
4	NUT;NYLOCK 5/16"18ZN	4	501126
5	WASHER;FLAT 5/16" ZN	4	501949
6	MGH;SHROUD BLOCK	1	511489
7	MGH;STOP BRACKET PCY	1	511504
8	SCREW;PANPHMACH1/4"20X1 3/4ZN	2	501507
9	SCREW;PANPHMACH1/4"20X1/2ZN	2	501509
10	NUT;FLANGE 1/4"20ZN-CASE HARD	4	501084
11	PIN;CLEVIS 1/2"X 2-1/4", ZN	2	509178
12	SHEAVE;UHMW,BLACK,1-3/4" DIA	2	501555
13	PIN;COTTER 1/8 x 3/4 ZN	2	503403
14	MGH;UHMW GATE GUIDE BLOCK	1	511500
15	BOLT;CARRIAGE5/16"18X2-1/4"GR5	2	506502
16	MG;ELECTRIC OPERATOR	1	511162
17	BELT;L-SERIES TIMING-108	1	BELT_072
18	ZAP 800-3-PB CONTROLLER COMP.	1	509748
19	CONTROL THREE BUTTON NEMA 1	1	506080
20	STROBE LIGHT; AMBER	1	501143
21	MGH;LATCH COVER-PCY	2	511548
22	MGH;BELT PLATE ASSEMBLY	2	512620
23	BOLT;CARRIAGE5/16"18x2GR5ZN	4	500326
24	NUT;FLANGE 5/16"18ZN-CASE HARD	4	501087

FINISH OPTIONS	
PCY	Powder Coat Safety Yellow

**TO ORDER PARTS CONTACT PS SAFETY ACCESS AT
877.446.1519 or 4psinfo@psindustries.com**

Hardware Variant for MGH-72-PCY			
ITEM #	DESCRIPTION	QTY	PART #
1	MGH;TRACK SHROUD ASSEMBLY-PCY-72"	1	513903
1.1	MGH;TRACK ASSEMBLY-PCY-72"	1	512368
1.2	MGH;SHROUD ASSEMBLY-PCY-72"	1	512371
2	MGH;72" GATE ASSEMBLY-PCY	1	511699

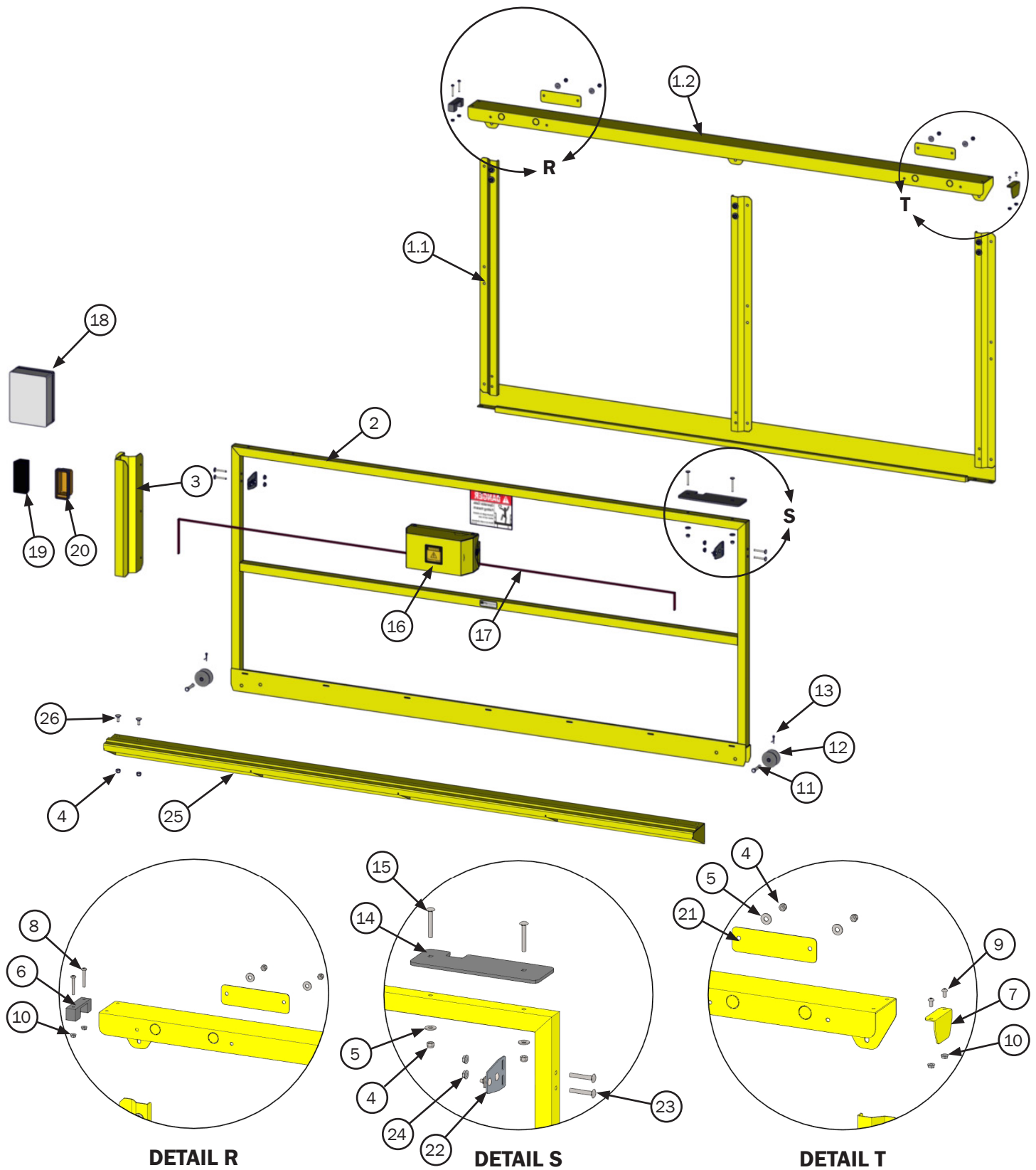
Hardware Variant for MGH-96-PCY			
ITEM #	DESCRIPTION	QTY	PART #
1	MGH;TRACK SHROUD ASSEMBLY-PCY-96"	1	513904
1.1	MGH;TRACK ASSEMBLY-PCY-96"	1	512374
1.2	MGH;SHROUD ASSEMBLY-PCY-96"	1	512377
2	MGH;96" GATE ASSEMBLY-PCY	1	511702

Hardware Variant for Face Mount Gate			
ITEM #	DESCRIPTION	QTY	PART #
25	MGH;FACE MOUNT TRACK-PCY-72"	1	512381
26	BOLT;CARRIAGE 5/16"X3/4"GR5	2	514333
*4	NUT;NYLOCK 5/16"18 ZN	2	501126

Replacement Parts Diagram

IX. Replacement Parts Diagram

NOTE 1. This diagram is for all SafeMezz® Horizontal Gate Electric Models.



Inspection and Maintenance

X. Inspection and Maintenance (Minimum Annually)

IMPORTANT! Consult parts list before replacing fasteners, as all have specific design load requirements. Only use like items for replacement.

A. Gate/Frame:

1. Inspect components for damage and misalignment. Adjust, repair, or replace as needed, to meet original design tolerance.
2. Check gate for proper alignment with track assembly. Adjust as necessary to achieve proper alignment.

B. Fasteners and mechanical connections

1. All fasteners must be in place and adjusted to their original design standard. Replace any damaged components.
2. Check all mounting connections, making sure they meet original design standards (refer to instructions).

C. Finishes

1. Inspect and clean finishes periodically.
2. Touch up repair finishes, or refinish as necessary to protect the structural integrity of the SafeMezz Horizontal Gate.
3. The SafeMezz Horizontal Gate comes with a polyester powder coat finish. Use finish materials compatible with powder coat. Follow paint manufacturers' instructions for prep and touch-up.

D. Housekeeping

1. To ensure your product continues to operate and last, upon completion of proper installation, complete the following:
 - a. Clean all surfaces.
 - b. If project is ongoing, protect installed products until final completion of project.
 - c. Touch-up, repair, or replace damaged components.
2. Ensure the track assembly is clear of debris and interferences.

E. Labels and Placards:

1. Inspect all labels and placards.
2. Replace any labels and placards which are unreadable/missing.

Inspection and Maintenance Log

CRITICAL

Periodic Inspection and Maintenance Required. Inspect at minimum annually.

Date Installed:

Product:

Model Number:

Serial Number:

Opening Identifier/ Number:

Location:

DATE INSPECTED	INSPECTED BY <i>(Print & Sign)</i>	INSPECTION ITEMS NOTED	CORRECTIVE ACTION	CORRECTED BY <i>(Print & Sign)</i>

PS INDUSTRIES® INCORPORATED – LIMITED WARRANTY

Limited Warranty: Subject to the terms of this Limited Warranty, PS Industries® Incorporated warrants to the original user or consumer (the "Owner") of a PS Industries product (the "Product") that, for a period of one (1) year from date of shipment, the Product will be free from defects in material and workmanship under normal use and service, and provided the Product is installed, operated and maintained in accordance with instructions supplied by PS Industries. The terms and limitations of this Limited Warranty apply to all repaired or replacement Products for a term equal to the balance of the warranty remaining on the Product that was repaired or replaced as of the date of such repair or replacement. Register online at: www.psindustries.com/contact/register-your-product

PS Flood Barriers™ Product Warranty Registration: For PS Flood Barriers™ Products, this Limited Warranty will only be valid if the Owner completes the Warranty Registration Form provided within thirty (30) days of Product installation. To request a copy of the Warranty Registration Form, contact PS Industries Incorporated, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com. Register online at: www.psindustries.com/contact/register-your-product/ Additional Warranty Registration Forms can be downloaded at www.psfloodbarriers.com/download-center/

Warranty Exclusions: Notwithstanding anything to the contrary, this Limited Warranty does not cover any of the following:

1. Normal wear and tear (including, but not limited to, normal wear and tear to gaskets and weather seals); damage or accidents resulting from freight damage, from failure to follow precautionary safety measures, or applied paint failure; abuse, misuse or unauthorized modification of the Product; misapplication; improper installation; or any defects, damage or other harm that is not the result of the acts or omissions of PS Industries.
2. Cost of field labor or other charges incurred by Owner in removing and/or re-affixing the Product or any part or component thereof.
3. Transportation costs.

Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS Industries, as long as the modification is accomplished in strict accordance with PS Industries' instructions, does not void warranty. To request product modifications contact PS Industries, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com.

Claim Procedure: To make a claim under this Limited Warranty, the claim must be received by PS Industries before the expiration of the above stated Limited Warranty period together with proof of purchase. Contact PS Industries at the address shown below.

PS Industries Incorporated	Toll Free: 877-446-1519
Attention: Warranty	Phone: 701-746-4519
1150 S. 48th Street	Fax: 701-746-8340
Grand Forks, ND 58201	E-mail: 4psinfo@psindustries.com

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